1 VQE results Aer Estimator (No Shots)

(Full Hamiltonian) Double Well $\Lambda = 16$ COYBLA Max 10K Iterations

Ansatz	Tolerance	Converged runs	Mean iter	VQE min E.	Δ_{min}	VQE median E.	Δ_{median}	Exact	Time
RA r1 l	1e−01	100/100	93	1.0459e+00	1.5434e−01	1.5574e+00	6.6578e−01	8.916e−01	00h 00m 24s
RA r1 l	1e−01	100/100	93	1.0459e+00	1.5434e−01	1.5574e+00	6.6578e−01	-	00h 00m 24s
RA r1 l	1e−02	100/100	292	9.0103e−01	9.4271e−03	9.7267e−01	8.1071e−02	-	00h 01m 14s
RA r1 l	1e−03	100/100	1268	8.936e−01	2.0018e−03	8.9703e−01	5.4316e−03	-	00h 05m 47s
RA r1 l	1e−04	100/100	2531	8.933e−01	1.7012e−03	8.9547e−01	3.8736e−03	-	00h 12m 15s
RA r1 l	1e−05	67/100	3812	8.9365e−01	2.049e−03	8.9545e−01	3.8465e−03	-	00h 25m 42s
RA r1 l	1e−06	53/100	5118	8.9369e−01	2.0943e−03	8.9371e−01	2.1091e−03	-	00h 34m 28s
RA r1 l	1e−07	28/100	5128	8.937e−01	2.0983e−03	8.937e−01	2.1e−03	-	00h 47m 35s
RA r1 l	1e−08	22/100	5063	8.937e−01	2.0996e−03	8.9547e−01	3.8697e−03	-	00h 44m 12s
Ansatz	Tolerance	Converged runs	Mean iter	VQE min E.	Δ_{min}	VQE median E.	Δ_{median}	Exact	Time

Table 1